7$%/(,,)5(48(1&,(2) 0<7+6 2) &29,' $021* 3$7,(176
,WHPV &RUUHFW1RQFRUUHFW
6XQOLJKW FDQ GHVWUR\ FRYLG LQIHFWLRQ
&RRNHDWKHU FDQ FDXVH FRYLGVSUHDG
&RURQDYLUXV LV D FRQVSLUDF\
+RPH UHPHGLHV DUH KHOSIXO WR WUHDW &RURQDYLUXV
$ PRVTXLWR ELWH FDQ VSUHDG &RYLGLQIHFWLRQ
2OG DJH SHRSOH DUH PRUH DIIHFWHG WKDQ \RXQJHU
3HRSOH ZLWK ORZ LPPXQH DUH PRUH DIIHFWHG
'LVLQIHFWLRQ RI WKH HQYLURQPHQW FDQ SURWHFW IURP FRURQDYLUXV
*DUOLF VRXS FDQ SUHYHQW \RX IURP LQIHFWLRQ
%DODQFHG QXWULWLRQ FDQ SUHYHQW WKH FRURQDYLUXV
'ULQNLQJ ORWV RI KRW GULQNV FDQ VWRS &RURQD LQIHFWLRQ

&XOWXUH
6LQGKL
%DORFKL
8UGX
3DWKDQ
6H[
0DOH
)HPDOH
0DULWDO VWDWXV
0DUULHG
8QPDUULHG
3URIHVVLRQ
*RYHUQPHQW
3ULYDWH
6HOI EXVLQHVV
6WXGHQWV
+RXVH ZLIH

7$%/(,,, &+$5$&7(5,67,&6 2) '(02*5$3+,& 9$5,$%/(6 1
&KDUDFWHULVWLFV 1
$JH JURXSV <HDUV
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(GXFDWLRQDO OHYHO
3ULPDU\
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,QFRPH PRQWKO\ 3.5
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',6&866,21

7KH FXUUHQW VWXG\ UHYHDOHG D PDL
KDG RYHUDOO LQFRUUHFW LQ
IDFWV ZKLOH D ORZHU SHUFHQWDJH
FRUUHFW UHVSRQVHV ,Q VXSSRUW R
0DQQDQ '. IRXQG WKH PDMRULW\ ZDV
RI &RYLGDQG FRQWUDGLFWHG E\ DQ RO
6XOWDQD 06VWXG\ ZKLFK VKRZHG
VXEMHFWV NQHZ DERXW &RURQDYLUXV
(UIDQ HWDO DUH RI SHRSOH LQ WK
NQRZOHGJH RI :KROHVDOH$EGHOKDOLT\
LQ (J\SW VKRZHG WKDW RI SDUWLF
DZDUH RI IDFWV RI FRYLG
7KH SUHVHQW VWXG\ DOVR KLJKOLJKV
UHVSRQVHV RI SDUWLFLSDQWV 7KHERXW
PDMRULW\ RI SDUWLFLSDQWV
FKDQFHV RI KDYLQJ LQIHFWLRQ LQFUHD
ROGHU DQG SHUVRQVLWK FR VRFLL
GLVWDQFH DQG ZHDULQJ D PD
ZD\V WR VWRS LQIHFWLRQ :KHQHDV =
D KLJK SHUFHQWDJH RI SDUWLFLSDQV
EDVHG LQIRUPDWLRQ DERXW VRFLDO
ZHDULQJ PDVNV DUH WKH EHV
FRQWURO LQIHFWLRQ DQG ROGHU SH
PRUH FKDQFH RI JHWWLQJ VHYHULW\
DQRWKHU GHVFULSWLYH VWXG\DE\ $
DSSURSULDWHO\ RI SDUWLFLSDQW
WKH PDVN DQG ZDVKLQJ KDQGV I
SUHYHQWLYH PHDVXUHV RI LQIRUPDWLR
RI SDUWLFLSDQWV KDYH NQRZOHG

PRVW FRPPRQ PDQLIHVWDWLRQ RI 6KDYLQH VD GUDFKH RI QRSVLV DSSUR
&RYLG ',21$0 061 GDWHG
,Q WKH SUHVHQW VWXG\ D WRWDO RI SDUWLFLSDQWV &RQIOLFW RI 7KHWHDEVWQ LOOXVWUDWRUV
KROG P\WKV RIZKROYHG ZHUH DVNHG DPRQJ WKH DXWKRUV
SUHYDLOHG P\WKV 7KHVH UHVXOWV SDUDOOHO WR WKH ILQGLQJV YLQDQFLDO 7KHDWZDSS
RI WKH FXUUHQW VWXG\ LW LOOXVWUDWHV D YDVW QXPEHU RI QQ IXQGLQJ DJHQF\
VXEMHFWV KDG D PLVSHUFHSWLRQ RI FRYLG 0HNRQQHQ VWXG\ LQ (WKRSLD IRXQG 7$ 6+$5(67$7(0(17 7KH GDWD WKDW V
PLVSHUFHSWLRQ)XUWKHUPRUH D YDVW PDMRULW\ RI WKLV VWXG\ DUH DYD
VXUYH\ ZDV KHOG LQ 1LJHULD VKRZHG FRQWUDVW RQGRQ DXWKRU 7KH G
SDUWLFLSDQWV ZHUH ZHOO NQRZQ DQG EHOLHYHG WR SULYDF\ RU HWKLF
PLVSHUFHSWLRQV RI $IULFDQ GLVHDVH $87+25 &217,%87,216
VWXG\ IURP 6DXGL $UDELD LQGLFDWHG QRZHU
NQRZOHGJH DERXW P\WKV FRPSDUHG WR WKH SUHYDOHQW GUDIWLQJ
VWXG\ 5D]DTXH 0$ 5HYLHZ ,QGLDQ DSSURYDO
PLVFRQFHSWLRQV UHJDUGLQJ KRPH UHPHGLHV +XVVDLQ 6 6WXGHQW VWXG\ZKR KROG
P\WKV WKH KLJKHVW SHUFHQWDJH 5D]DTXH $ DWD FROOHFWLRQ GDWD
RI &RYLG6RPH UHPHGLHV 5D]DTXH $ DWD FROOHFWLRQ GDWD
FDQ FXUH FRYLG GULQNLQJ KRW ZDWHU (7+1&(
FDQ SUHYHQW FRURQD LQIHFWLRQ 6LPLODUO\ 5HGG\
VWXG\ LQ ,QGLD IRXQG WKDW 3DUWLFLSDQWV KDG
PLVFRQFHSWLRQV UHJDUGLQJ KRPH UHPHGLHV 1HZ &RURQDYLUXV 'LVHDVH
DQG YLWDPLQ ' DQG & FDQ SUHYHQW D SHUVRQ IURP - 5HVSLU 'LV 7U
JHWWLQJ DQ LQIHFWLRQ $FFRUGLQJ WR 2NXQROD 2UJDQL]DWLRQ &RURQDYLUXV &29,'
VWXG\ LQ 1LJHULD VKRZQ WKDW 3DUWLFLSDQWV 3HRSOH 'LVHDVH >XSGDWHG
FRUUHFWO\ LGHQWLILHG E\ WKH VWXG\ SRSXODWLRQ @ $YDLODEOH IU
SHRSOH RI DQ\ DJH FDQ EH DIIHFWHG E\ FRYLG ZKR ZRUN FDQQRW WUDQVIHU
WKRXJKW WKDW PRVTXLWR ELWHV FDQ &RURQDYLUXV 3DQGHPLF &RQFLVH
FHUWDLQ W\SHV RI LQIHFWLRQ RI SDUWLFLSDQWV EHOLHYH
WKDW DQWLELRWLFV DUH LQHIIHFWLYH WR WUHDW &29,' 8QFHUWDLQW\ -0
VXUH WKDW KHUEDO UHPHGLHV DUH QRW HIIHFWLYH WR WUHDW ZHUH PDOH
WKH FRYLG LQIHFWLRQ KLJKHVW
,Q WKLV VWXG\ DOPRVW SDUWLFLSDQWV DJH ZHUH)HPDOH 7KHVH ILQGLQJV &RURQDYLUXV GL
EHWZHHQ WR \HDUV DQG ,UDT ZH NQRZ" - 0HG 9LURO
ZHUH PDUULHG DQG 0RVW RI WKH ,QGLDQ 0\WKV DQG FRQVSL
LQFRQVLVWHQW ZLWK D GHVFULSWLYH $QDO\VLV 1XUS
$IJKDQLVWDQ &RQFOXGHG WKDW WKH ODUJHVW 3HUFHQWDJH SDQGHPLFV DQG
SDUWLFLSDQWV ZHUH IHPDOH 3RSXODWLRQ 3HRSOH &RQWUROOLQJ &29,'
JURXS ZDV QHDUO\ WKH VDPH ZLWK RXU VWXG\ ,QIRUPDWLRQ &RQVXOW
RSSRVLWH RQH RI WKH GHVFULSWLYH VWXGLHV 3V\FKRO 0H
WKDW RI SDUWLFLSDQWV UHSRUWHG IURP FRXQWULHV
ZHUH \RXQJHU $QRWKHU VWXG\ ZDV 6DXGL $ HW DO&29,'
FRQGXFWHG LQ WKH 8QLWHG 6WDWHV RI DQG LWV LPSDFW RQ SXEOLF KHDO
SHRSOH V DJH JURXS OLHV EHWZHHQ PHGLD DQDO\VLV $P - 7URS 0HG +\
6LPLODUO\ D VWXG\ IURP ,QGLD H[LELWHG WR ,WWHIDT 0 +XVVDLQ 6$)DQD 0
DFFRPSOLFHV¶ DJH JURXS ZDV OLHV EHWZHHQ VRFLDO PHGLD 3V\FKRO
\HDUV PHGLD 3DNLVWDQ 0HGLD $VS
%DOHUMHH ' 0HGLD &29,'
&21&/86,21 DQG LWV LPSDFW RQ SXEOLF KHDO
3UHVHQW VWXG\ KLJKOLJKWHG WKDW ³DOPRVW ZHUH 0RVW
DZDUH RI WKH IDFWV DQG)DOVH &RYLG
LQVWDQFH IDFWV DERXW WKH ROG DJH DQG FRPRUELG &RFLDO
GLVWDQFH DQG ZDULQJ D PDVN DQG KROG P\WKV
UHJDUGLQJ FRQVSLUDF\ KRPH UHPHGLHV :KRQJ %/ XR :LW +0 =KDQJ 44 /L
(WKLFDO SHU'RLZVQRQVLWXWH RI 1XUVLQJ DQG &2 0LGZLIHU\ 2MKD &DPSXV 'RZ 8QLYHUVLW\ WRZDUGV &29,'PRQJ &KLHVH UHVL
GXULQJ WKH UDSLG ULVH SHULRG

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